



IBM Haifa Verification Conference 2006 – Agenda

Day 3: Software Testing

October 25, 2006

Advanced Techniques

Session chair: Yaron Wolfsthal, IBM Haifa Labs

- 9:30** ExpliSAT: Guiding SAT-Based Software Verification with Explicit States
Sharon Barner, Cindy Eisner, Ziv Glazberg, Daniel Kroening, and Ishai Rabinovitz, IBM Haifa Research Lab
- 10:00** Evolutionary Testing: A Case Study
Stella Levin and Amiram Yehudai, Tel Aviv University
- 10:30** Invited speaker: Dynamic Analysis for Self-Healing Software
Mauro Pezze, Università degli Studi di Milano

11:15 Break

Testing Concurrent Software

Session chair: Orit Edelstein, IBM Haifa Labs

- 11:45** Invited speaker: Transactional Locking
Nir Shavit, Tel Aviv University and Sun Labs
- 12:30** A Race-Detection and Flipping Algorithm for Automated Testing of Multi-Threaded Programs
Koushik Sen, University of California Berkeley, and Gul Agha, University of Illinois at Urbana-Champaign

- 13:00** Debugging Concurrent Java Programs by Minimizing Scheduling Noise
Yaniv Eytani and Timo Latvala, University of Illinois at Urbana Champaign

13:30 Lunch

Testing the Machine in the World

Session chair: Shmuel Ur, IBM Haifa Labs

- 15:00** **Keynote: Testing the Machine in the World**
Michael Jackson, University of Newcastle

16:00 Break

Modeling in Testing

Session chair: Tsvi Kuflik, University of Haifa

- 16:30** Choosing a Test Modeling Language: A Survey
Alan Hartman, IBM Haifa Research Lab, and Mika Katara and Sergey Olvovsky, Tampere University of Technology
- 17:00** Making Model-based Testing More Agile: a Use Case Driven Approach
Mika Katara and Antti Kervinen, Tampere University of Technology
- 17:30** Conclusion